

## 102.1 - Aluminum Base Alloys (chip and disk forms)

These SRMs are intended for analyses of aluminum alloys by chemical and instrumental methods. SRMs 1710 through 1715 are specially prepared to include low levels of cadmium and lead encountered in the analysis of recycled aluminum. SRM 2426 is a hot-dip coating alloy for sheet steel applications.

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SRM	87a	853a	854a	855a	856a	858	1240c	1241c	1255b	1256b	1258-I	1259	1710	1711	1712	1713
Description	Aluminum-Silicon Alloy	Aluminum Alloy 3004	Aluminum Alloy 5182	Aluminum Casting Alloy 356	Aluminum Casting Alloy 380	Aluminum Alloy 6011	Aluminum Alloy 3004	Aluminum Alloy 5182	Aluminum Alloy 356	Aluminum Alloy 380	Aluminum Alloy 6011	Aluminum Alloy 7075	Aluminum Alloy 3004	Aluminum Alloy 3004	Aluminum Alloy 3004	Aluminum Alloy 5182
Unit of Issue	(75 g)	(40 g)	(40 g chip)	(30 g)	(30 g)	(35 g)	(ea)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)
<b>Mg</b>	0.37	1.092	4.474	0.37	0.063	1.01	1.110	4.498	0.3822		1.00	2.48				
<b>Si</b>	6.24	0.1810	0.1553	7.07	9.21	0.79	0.1804	0.1544	7.298	9.362	0.80	0.18				
<b>Mn</b>	0.26	1.251	0.3753	0.060	0.35	0.48	1.268	0.3792	0.0527	0.3857	0.481	0.079				
<b>Cu</b>	0.30	0.1504	0.0494	0.13	3.50	0.84	0.1484	0.0497	0.1161	3.478	0.848	1.60				
<b>Zn</b>	0.16	0.0514	0.0505	0.085	0.96	1.04	0.0514	0.0506	0.0842	1.011	1.03	5.44				
<b>Tl</b>	0.18	0.0205	0.0335	0.15	0.065	0.042	0.0218	0.0317	0.1477	0.0877	(0.040)	(0.04)				
<b>Cr</b>	0.11	0.504	0.0340	0.013	0.060	0.0011		0.0343	(0.0150)	0.0572	(0.0011)	0.173				
<b>Fe</b>	0.61	0.1990	0.14	0.85	0.078	0.501	0.1997	0.1170	0.865	0.080	0.205					
<b>Ni</b>	0.57	0.00429	0.0195	0.016	0.37	0.0006	0.00434	0.0198	0.0179	0.4135	(0.0006)	0.063				
<b>Sn</b>	0.057	(0.0003)		0.010	0.10		(0.0004)	(0.0002)	0.1334	(0.0091)						
<b>Pb</b>	0.093			0.019	0.11		(0.0009)	(0.0005)	0.0182	0.1075		0.00177	0.00639	0.01559	0.001712	
<b>Ga</b>	0.020	0.0176	(0.0185)				0.0181	0.0184	0.0175	(0.0183)	(0.011)	(0.022)				
<b>V</b>	0.01842	0.0174	(0.012)	(0.014)	0.0030	0.01850		0.0316	0.0212							
<b>Zr</b>	(0.0023)		(0.003)	(0.003)		(0.0023)	(0.002)									
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Description	Aluminum-Silicon Alloy	Aluminum Alloy 3004	Aluminum Alloy 5182	Aluminum Casting Alloy 356	Aluminum Casting Alloy 380	Aluminum Alloy 6011	Aluminum Alloy 3004	Aluminum Alloy 5182	Aluminum Alloy 356	Aluminum Alloy 380	Aluminum Alloy 6011	Aluminum Alloy 7075	Aluminum Alloy 3004	Aluminum Alloy 3004	Aluminum Alloy 3004	Aluminum Alloy 5182
Unit of Issue	(75 g)	(40 g)	(40 g chip)	(30 g)	(30 g)	(35 g)	(ea)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)	(disk)
<b>Sr</b>		(0.0002)		0.018	0.018			(0.0002)	0.0164	0.0188						
<b>Cd</b>		(0.0006)	Ca (0.001)	Ca (0.002)		(0.00065)	(0.0006)					0.000843	0.002090	0.0005165	0.000878	
<b>Be</b>						(0.000011)						0.0025				

\*See current certificate of analysis for exact assigned values and estimates of uncertainty. Values in parentheses denote either reference or information values.

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1714	1715	2426
Aluminum Alloy 5182	Aluminum Alloy 5182	55 % Aluminum - Zinc Alloy

(disk) (disk) (40 g chip)

1.925

38.92

0.454

0.00653 0.01509 Al 58.18

1714	1715	2426
Aluminum Alloy 5182	Aluminum Alloy 5182	55 % Aluminum - Zinc Alloy

(disk) (disk) (40 g chip)

0.002013 0.00502 0.00502

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